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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/667,790	09/23/2003	Yoshifusa Togawa	1614.1026D	9568
21171 7590 12/27/2006 STAAS & HALSEY LLP SUITE 700 1201 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005			EXAMINER CHANG, ERIC	
			ART UNIT	PAPER NUMBER
			2116	
SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE		
3 MONTHS	12/27/2006	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No. 10/667,790	Applicant(s) TOGAWA, YOSHIFUSA	
	Examiner Eric Chang	Art Unit 2116	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 October 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 4, 14 and 24-26 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 4, 14 and 24-26 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 4, 14 and 24-26 are pending.

Claim Objections

2. Claims 4, 14, 24 and 26 are objected to because of the following informalities: the term “a predetermined number of time” should read, “a predetermined number of times”. Appropriate correction is required.

Claim Rejections - 35 USC § 102

3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
4. Claims 4, 14 and 24-26 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by U.S. Patent 5,666,538 to DeNicola.
5. As to claims 4 and 14, DeNicola discloses a method of controlling power consumption of a management apparatus to which a electronic apparatus is connected via a network, and which shares a common device with the electronic apparatus comprising:

[a] detecting an accessed state to the common device by the electronic apparatus [col. 3, lines 52-59]; and

[b] rearranging components in the common device so as to control an operational state of the common device in accordance with the detected usage status thereof [col. 3, lines 59-63].

DeNicola teaches that a management apparatus, such as a network server, comprises a common device, such as disk drive, that is accessed by other apparatuses on the network. DeNicola also teaches that accesses to the disk drive are monitored by the server, and data components on the drives are redistributed based on a statistical analysis of the detected accessed states of the disk drive. In addition, DeNicola teaches that the rearrangement of the components comprises gathering together components accessed a predetermined number of times, by determining the number of accesses to a drive [col. 8, lines 29-40] and comparing it to a limit on the number of drive accesses before redistribution of information occurs [col. 12, lines 45-65]. Furthermore, because DeNicola teaches the method by which the power-saving control unit performs this task, DeNicola also teaches the apparatus sub-units that perform the same functions, substantially as claimed.

6. As to claim 24, DeNicola discloses a management apparatus having a common device shared with an electronic apparatus comprising a status detecting unit which detects a usage status of the common device being used by the electronic apparatus, and a shared apparatus control unit which controls an operation of the common device in accordance with the usage status thereof detected by the status detecting unit, substantially as claimed. In addition, DeNicola teaches that the rearrangement of the components comprises gathering together components accessed a predetermined number of times, by determining the number of accesses to a drive [col. 8, lines 29-40] and comparing it to a limit on the number of drive accesses before redistribution of information occurs [col. 12, lines 45-65]. Because DeNicola teaches the

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apparatus, DeNicola also teaches the computer-readable recording medium containing a program that performs the same function.

7. As to claim 25, DeNicola discloses a procedure for detecting the usage frequency of the common device [col. 3, lines 52-59], and a procedure for controlling an operation of the common device in accordance with the detected usage frequency [col. 3, lines 59-63].

8. As to claim 26, DeNicola discloses a method of controlling power consumption of a management apparatus to which a electronic apparatus is connected via a network, and which shares a common device with the electronic apparatus comprising:

rearranging components in the common device so as to control an operational state of the common device in accordance with the detected usage status thereof [col. 3, lines 59-63].

DeNicola teaches that a management apparatus, such as a network server, comprises a common device, such as disk drive, that is accessed by other apparatuses on the network.

DeNicola also teaches that accesses to the disk drive are monitored by the server, and data components on the drives are redistributed based on a statistical analysis of the detected accessed states of the disk drive. In addition, DeNicola teaches that the rearrangement of the components comprises gathering together components accessed a predetermined number of times, by determining the number of accesses to a drive [col. 8, lines 29-40] and comparing it to a limit on the number of drive accesses before redistribution of information occurs [col. 12, lines 45-65].

Furthermore, because DeNicola teaches the method by which the power-saving control unit

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performs this task, DeNicola also teaches the apparatus sub-units that perform the same functions, substantially as claimed.

Response to Arguments

9. Applicant's arguments with respect to claims 4, 14 and 24-26 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

10. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a).

Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eric Chang whose telephone number is (571) 272-3671. The examiner can normally be reached on M-F 9:00-5:30.

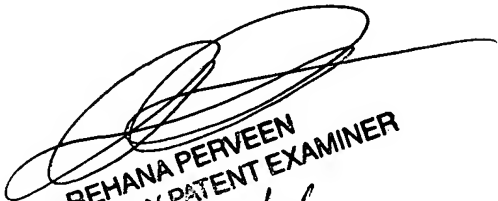
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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rehana Perveen can be reached on (571) 272-3676. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

December 21, 2006

ec


REHANA PERVEEN
SUPERVISORY PATENT EXAMINER
12/26/06